VOLUME CONTENTS

CONTENTS VOL. 70 NO. 1 1989

P. Gómez-Segade, R. Anadón and L. Gómez-Segade. Monoaminergic systems in the hypothalamus of the acanthopterygian *Chelon labrosus* (Risso, 1826), with special reference to the organon vasculosum hypothalami 1

R. M. Kristensen and A. Hay-Schmidt. The protonephridia of the arctic kinorhynch *Echinoderes aquilonius* (Cyclorhagida, Echinoderidae) 13

Y. Benayahu. Reproductive cycle and developmental processes during embryogenesis of *Clavularia hamra* (Cnidaria, Octocorallia) 29

J. Billen, L. Joye and R. H. Leuthold. Fine structure of the labial gland in *Macrotermes bellicosus* (Isoptera, Termitidae) 37

K. Tsuneki and M. Nozaki. Histological and immunohistochemical studies of the neurohypophysis of primitive teleosts, the Osteoglossidae 47

E. Andersson and R. Olsson. The oral papilla of the lancelet larva (*Branchiostoma lanceolatum*) (Cephalochordata) 53

P. E. King and K. S. Ahmed. Sperm structure in the Psocoptera 57

Book review. *Invertebrate models: cell receptors and cell communication* 63

CONTENTS VOL. 70 NO. 2 1989

S. O. Asaolu. Morphological studies on the testis of adults of *Moniliformis* (Acanthocephala) 65

H. C. Bjerring. Apertures of craniate olfactory organs 71

E. Bayraktaroglu, D. W. Golding and A. C. Whittle. Further evidence that synaptic and synaptoid vesicles constitute a single category of inclusions: dense-cored synaptic and synaptoid vesicles in *Helix* discharge their contents by exocytosis 87

R. G. Kessel. Fibrogranular material, annulate lamellae and microtubules during spermiogenesis in *Drosophila melanogaster* 95

D. B. Conn and L. J. Rocco. Fine structure of the cellular parenchyma and extracellular matrix of *Ophiotaenia loennbergii* (Cestoda: Proteocephalidea) 105

G. Rehkämper, V. Storch, G. Alberti and U. Welsch. On the fine structure of the nervous system of *Tubiluchus philippinensis* (Tubiluchidae, Priapulida) 111

C. Jouin and A. Toulmond. The ultrastructure of the gill of the lugworm *Arenicola marina* (L.) (Annelida, Polychaeta) 121

Book reviews 131

CONTENTS VOL. 70 NO. 3 1989

G. O. Mackie, C. Nielsen and C. L. Singla. The tentacle cilia of *Aglantha digitale* (Hydrozoa: Trachylina) and their control 133

O. Munk. Duplex retina in the mesopelagic deep-sea teleost *Lestidiops affinis* (Ege, 1930) 143

U. Midtgård. Posthatching development of vascularization, arteriovenous anastomoses and seromucous glands in the avian nasal mucosa 151

Å. Jespersen and J. Lützen. Ultrastructure of the protonephridial terminal organ in the terrestrial nemertean *Geonemertes pelaensis* (Rhynchocoela, Enopla, Hoplonemertini) 157

CONTENTS VOL. 70 NO. 3 1989 (Continued)

R. Tastás-Duque and E. Sylvén. Sensilla and cuticular appendages on the female abdomen of *Lasioptera rubi* (Schrank) (Diptera, Cecidomyiidae) **163**

G. Haszprunar. The anatomy of *Melanodrymia aurantiaca* Hickman, a coiled archaeogastropod from the East Pacific hydrothermal vents (Mollusca, Gastropoda) **175**

J. G. Nielsen, E. Bertelsen and Å. Jespersen. The biology of *Eurypharynx pelecanoides* (Pisces, Eurypharyngidae) **187**

CONTENTS VOL. 70 NO. 4 1989

W. Lehmann, G. Sterba and A. M. Wobus. Primary culture of the mouse subcommissural organ *in vitro* **199**

A. V. Ramachandran and P. I. Ndukuba. Tail regeneration in normal, blinded and pinealectomized gekkonid lizards, *Hemidactylus flaviviridis*, exposed to four different light conditions during three seasons (temperatures) **205**

N. D. Holland and L. Z. Holland. The fine structure of the testis of a lancelet (=amphioxus), *Branchiostoma floridae* (phylum Chordata: subphylum Cephalochordata =Acrania) **211**

A. Pulsford and A. Zapata. Macrophages and reticulum cells in the spleen of the dogfish, *Scyliorhinus canicula* **221**

H. Glenner, J. T. Høeg, A. Klysner and B. B. Larsen. Cypris ultrastructure, metamorphosis and sex in seven families of parasitic barnacles (Crustacea: Cirripedia: Rhizocephala) **229**

C. J. Pfeiffer and K. J. Lowe. Cirral structure of the pedunculated marine barnacle *Lepas anatifera* L. (Crustacea, Cirripedia)—I. Ultrastructure of the neuromuscular apparatus **243**

Volume Contents and Author Index Volume 70, 1989 i